



**CMR2-02  
CMR2-04  
CMR2-06  
CMR2-10**

**GENERAL PURPOSE RECTIFIER  
2.0 AMP, 200 THRU 1,000 VOLTS**



**SMB CASE**

#### **DESCRIPTION:**

The CENTRAL SEMICONDUCTOR 2.0 Amp Surface Mount Silicon Rectifier is a high quality, well constructed, highly reliable component designed for use in all types of commercial, industrial, entertainment, computer, and automotive applications. To order devices on 12mm Tape and Reel (3000/13" Reel), add TR13 suffix to part number.

**MAXIMUM RATINGS:** ( $T_A=25^\circ\text{C}$  unless otherwise noted)

	<b>SYMBOL</b>	<b>CMR2-02</b>	<b>CMR2-04</b>	<b>CMR2-06</b>	<b>CMR2-10</b>	<b>UNITS</b>
Peak Repetitive Reverse Voltage	$V_{RRM}$	200	400	600	1000	V
DC Blocking Voltage	$V_R$	200	400	600	1000	V
RMS Reverse Voltage	$V_R(\text{RMS})$	140	280	420	700	V
Average Forward Current ( $T_A=50^\circ\text{C}$ )	$I_O$			2.0		A
Peak Forward Surge Current (8.3ms)	$I_{FSM}$			60		A
Operating and Storage						
Junction Temperature	$T_J, T_{stg}$			-65 to +150		$^\circ\text{C}$
Thermal Resistance	$\Theta_{JL}$			20		$^\circ\text{C/W}$

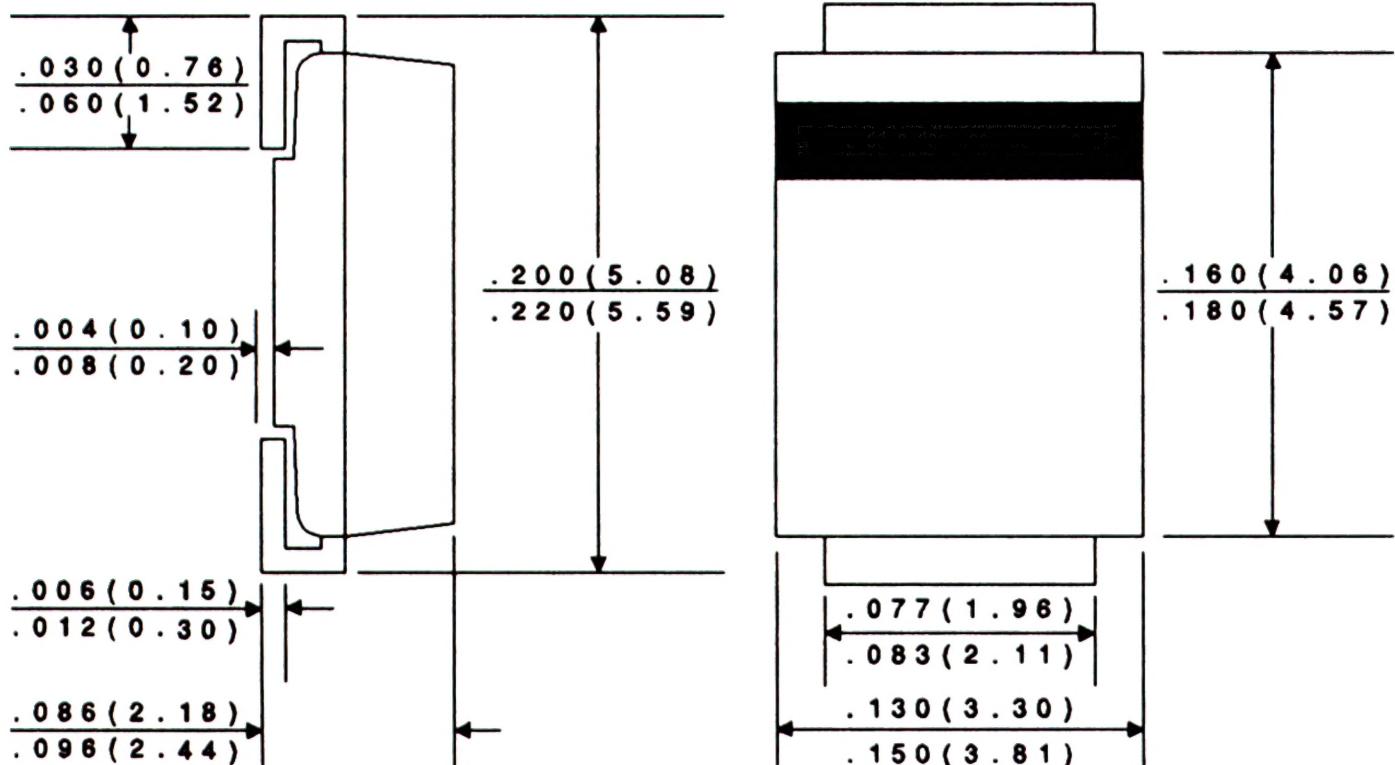
**ELECTRICAL CHARACTERISTICS:** ( $T_A=25^\circ\text{C}$  unless otherwise noted)

<b>SYMBOL</b>	<b>TEST CONDITIONS</b>	<b>MIN</b>	<b>TYP</b>	<b>MAX</b>	<b>UNITS</b>
$V_F$	$I_F=2.0\text{A}$			1.1	V
$I_R$	$V_R=\text{Rated } V_{RRM}$			0.5	$\mu\text{A}$
$I_R$	$V_R=\text{Rated } V_{RRM}, T_A=125^\circ\text{C}$			125	$\mu\text{A}$
$t_{rr}$	$I_F=0.5\text{A}, I_R=1.0\text{A}, \text{Recover to } 0.25\text{A}$			2.5	$\mu\text{s}$
$C_J$	$V_R=4.0\text{V}, f=1.0\text{MHz}$		30		$\text{pF}$

**Central™**  
**semiconductor corp.**

All dimensions in inches (mm).

### TOP VIEW



### Marking Codes:

DEVICE	MARKING CODE
CMR2-02	C202
CMR2-04	C204
CMR2-06	C206
CMR2-10	C210